

# Glasgow Fire Weather

## 2005

### Location

The National Weather Service in Glasgow, Montana is located across the street from the Glasgow International Airport. The mailing address is:

National Weather Service  
101 Airport Road  
Glasgow, MT 59230

### Important Phone Numbers and Office Information

Fire Weather Desk: (406) 228-9622 and (406) 228-4042  
Administrative line: (406) 228-2850 FAX (406) 228-9627

Internet <http://www.weather.gov/glasgow>

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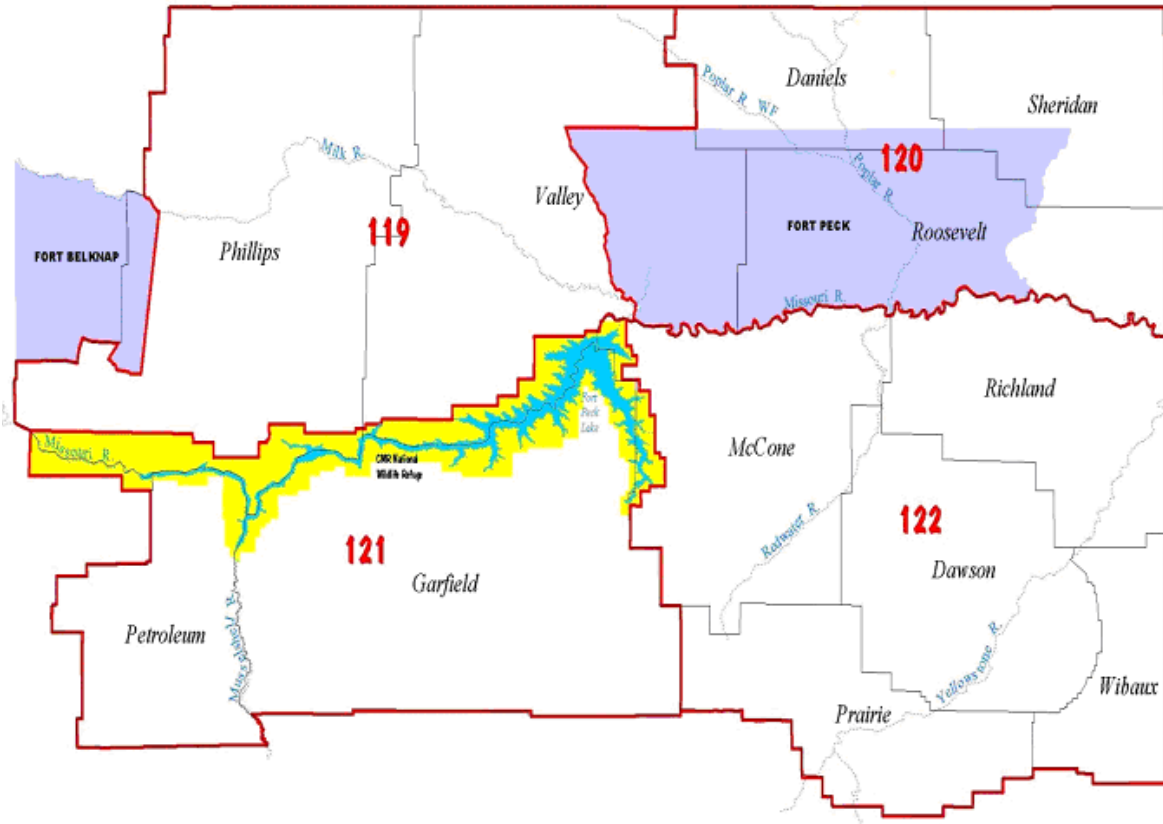
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### Area and Agencies Served

The Glasgow Fire Weather District covers Zones 119 through 122 in Northeast Montana.

The Glasgow, NWS offices will issue detailed forecasts to fire control agencies in the area encompassing northeast Montana. Agencies served include:

1. Bureau of Land Management  
Lewistown and Miles City District
2. Bureau of Indian Affairs  
Fort Peck Reservation
3. US Fish and Wildlife Service  
Bowdoin Refuge  
Charles M. Russell Refuge  
Hewitt Lake Refuge  
Lamesteer Refuge  
Medicine Lake Refuge  
War Horse Refuge
4. Montana Department of Natural Resources and Conservation
5. County and local agencies



## Forecast Zone Descriptions

### Zone 119: PHILLIPS AND VALLEY COUNTIES

Zone 119 in Northeast Montana includes portions of the Lewistown District of the BLM, Montana State Lands, and National Wildlife Refuge Lands. This area consists of Phillips and Valley Counties in Montana excluding portions of the Fort Belknap Indian Reservation lands in Phillips County, and excluding portions of Fort Peck Indian Reservation in Valley County, and excluding all lands in Phillips and Valley Counties that are part of the Charles M. Russell National Wildlife Refuge.

### ZONE 120: FORT PECK INDIAN RESERVATION

Zone 120 in Northeast Montana includes the Fort Peck Indian Reservation, portions of the Miles City District of the BLM, and Montana state lands, and National Wildlife Refuge Lands. This area consists of Daniels, Sheridan, and Roosevelt Counties, including all of the Fort Peck Indian Reservation within Valley County.

### ZONE 121: CHARLES M. RUSSELL NATIONAL WILDLIFE REFUGE

Zone 121 in Northeast Montana includes the Charles M. Russell National Wildlife Range and portions of the Lewistown District and the Miles City District of the BLM, and Montana state lands. This area is bounded by Petroleum and Garfield Counties and includes all of the Charles M. Russell National Wildlife Refuge north and south of the Missouri river.

### ZONE 122: McCONE/RICHLAND/DAWSON/PRAIRIE/WIBAUX COUNTIES

Zone 122 in Northeast Montana includes portions of the Miles City District of the BLM, and Montana state lands, and National Wildlife Refuge Lands. The area consists of McCone, Richland, Dawson, Prairie, and Wibaux Counties.

## FORECAST SERVICES

1. Morning forecast issued between 0330 and 0400, 7 days a week from March to November.
2. Afternoon forecast issued between 1430 and 1500, 7 days a week in July, August, and September
3. Spot forecasts issued on request
4. Red flag warnings and fire weather watches. The following conditions will be considered for Red Flag events with the fire danger very high or extreme.
  - a. Scattered dry thunderstorms or increased thunderstorm activity, wet or dry, during an extremely dry period.
  - b. A combination of low relative humidity and increasing strong or gusty surface winds, or abrupt change in direction due to the approach and passage of a cold front, squall line, or other weather phenomena other than isolated thunderstorms. See Red Flag Decision Chart below.

**RED FLAG DECISION CHART**

**RELATIVE HUMIDITY**

40% 35% 30% 25% 20% 15% 10% 5%

10	NO	NO	NO	NO	NO	Prob	YES	YES
15	NO	NO	NO	NO	Prob	YES	YES	YES
20	NO	NO	NO	Prob	YES	YES	YES	YES
25	NO	NO	Prob	YES	YES	YES	YES	YES
30	NO	Prob	Prob	YES	YES	YES	YES	YES
35	NO	Prob	YES	YES	YES	YES	YES	YES
40	Prob	Prob	YES	YES	YES	YES	YES	YES

WIND  
MPH

5. Updates to all products as conditions warrant
6. Point Forecasts for NFDRS issued between 1400 and 1500, 7 days a week in fire season. The locations for point forecasts include:

<b><u>WIMS ID</u></b>	<b><u>Location</u></b>	<b><u>Zone</u></b>
240807	Zortman Mine	119
240809	Manning Corral	121
240902	Bluff Creek	119
240903	King Coulee	119
241102	Medicine Lake	120
242302	Chain Buttes	121
242303	Dry Blood Creek	121
242403	South Sawmill	121
242501	Poplar	120
244002	Big Sheep Mountain	122

#### **LIST OF REFERENCE RAWS STATIONS BY FIRE WEATHER ZONE**

<b>Zone</b>	<b>Station Name</b>	<b>WIMS #</b>	<b>County</b>	<b>Location</b>	<b>Elev</b>	<b>Aspect</b>
119	Zortman Mine	240807	Phillips	47 deg 55 min N 108 deg 33 min W	4660	Ridge
119	Bluff Creek	240902	Valley	48 deg 52 min N 106 deg 57 min W	2550	Flat
119	King Coulee	240903	Valley	47 deg 48 min N 107 deg 1 min W	2760	Ridge
120	Poplar	242501	Roosevelt	48 deg 8 min N 105 deg 4 min W	2223	Flat
120	Medicine Lake	241102	Sheridan	48 deg 29 min N 104 deg 29 min W	1975	Flat
121	Chain Buttes	242302	Petroleum	47 deg 31 min N 108 deg 3 min W	2928	Ridge N-S
121	Dry Blood Creek	242303	Petroleum	47 deg 15 min N 108 deg 22 min W	3140	Ridge S
121	Manning Corral	240809	Phillips	47 deg 42 min N 108 deg 29 min W	3080	Slope SW
121	South Sawmill	242403	Garfield	47 deg 34 min N 107 deg 32 min W	3230	Ridge W
122	Big Sheep	244002	Prairie	47 deg 1 min N 105 deg 49 min W	3150	Valley W-E
122	Pine Hill		Wibaux	46 deg 47 min N 104 deg 35 min W	2650	Slope E